



PREVENT STORM WATER CONTAMINATION

Best Management Practices for

Section M - Automotive Salvage Yards

SIC Codes: 5015



General Information:

1) Federal and State Storm Water regulations require the City to reduce the quantity of pollutants that enter our storm drains, rivers and washes from rainwater and other sources. 2) Water from any source that contains contaminants is prohibited from entering the storm drain system which includes streets, catch basins (street grates), ditches, washes and rivers. 3) Commercial and industrial wash or wastewater is prohibited from entering the storm drain system, street or any other outside area. 4) All washing activities that use soap, solvents, degreasers or any other chemicals must be hauled to a landfill or discharged into the sanitary sewer through a sand/oil interceptor or approved pretreatment device. 5) City Ordinance requires all commercial and industrial facilities to develop and implement a Storm Water Management Plan (SWMP). 6) See 40CFR122 Section 6.M.3 October 30, 2000 for additional required BMPs.

Dismantling and vehicle maintenance

- ◆ Drain all fluids from vehicles upon arrival at the site. Segregate the fluids and properly store or dispose of them.
- ◆ Maintain an organized inventory of materials used in the maintenance shop.
- ◆ Keep waste streams separate (e.g. waste oil and mineral spirits). Non-hazardous substances that are contaminated with hazardous substances are considered a hazardous substance.
- ◆ Recycle anti-freeze, gasoline, used oil, mineral spirits and solvents.
- ◆ Dispose of greasy rags, oil filters, air filters, batteries, spent coolant and degreasers properly.
- ◆ Label and track the recycling of waste material (e.g. used oil, spent solvents, batteries).
- ◆ Drain oil filters before disposal or recycling.
- ◆ Store cracked batteries in a non-leaking secondary container.
- ◆ Promptly transfer used fluids to the proper containers. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.
- ◆ Do not pour liquid waste down floor drains, sinks or outdoor storm drain inlets.
- ◆ Plug floor drains that are connected to the storm drain or sanitary sewer system. If necessary, install a sump that is pumped regularly.
- ◆ Inspect the maintenance area regularly for proper implementation of control measures.
- ◆ Filter storm water discharges with devices such as oil/water separators.
- ◆ Train employees on proper waste control and disposal procedures.

Outdoor vehicle, equipment and parts storage

- ◆ Use drip pans under all vehicles and equipment waiting for maintenance and during maintenance.
- ◆ Store batteries on impervious surfaces. Curb, dike or berm this area.
- ◆ Confine storage of parts, equipment and vehicles to designated areas.
- ◆ Cover all storage areas with a permanent cover (e.g. roofs) or temporary cover (e.g. canvas tarps).
- ◆ Install curbing, berms or dikes around storage areas.
- ◆ Inspect the storage yard for filling drip pans and other problems regularly.
- ◆ Train employees on procedures for storage and inspection items.

Vehicle, equipment and parts washing areas

- ◆ Avoid washing parts or equipment outside.
- ◆ Use phosphate-free biodegradable detergents.
- ◆ Consider using detergent-based or water-based cleaning systems in place of organic solvent degreasers.
- ◆ Designate an area for cleaning activities.
- ◆ Contain steam cleaning wash waters or discharge under an applicable NPDES permit.
- ◆ Ensure that wash waters drain well.
- ◆ Inspect cleaning area regularly.
- ◆ Install curbing, berms or dikes around cleaning areas.
- ◆ Train employees on proper washing procedures.

Liquid storage in above ground containers

- ◆ Maintain good integrity of all storage containers.
- ◆ Install safeguards (such as diking or berming) against accidental releases at the storage area.
- ◆ Inspect storage tanks to detect potential leaks and perform preventive maintenance.
- ◆ Inspect piping systems (pipes, pumps, flanges, couplings, hoses and valves) for failures or leaks.
- ◆ Train employees on proper filling and transfer procedures.

Improper connections with storm drains

- ◆ Plug all floor drains if it is unknown whether the connection is to storm drain or sanitary sewer systems. Alternatively, install a sump that is pumped regularly.
- ◆ Perform dye testing to determine if interconnections exist between sanitary sewer system and storm drain system.
- ◆ Update facility schematics to accurately reflect all plumbing connections.
- ◆ Install a safeguard against vehicle wash waters and parts cleaning waters entering the storm drain unless permitted.
- ◆ Maintain and inspect the integrity of all under ground storage tanks; replace when necessary.
- ◆ Train employees on proper disposal practices for all materials.

Training

- ◆ All employees shall be trained in the following areas and on BMPs in the SWMP at least once per year.
 - ◆ Spill response
 - ◆ Good housekeeping
 - ◆ Material management practices
 - ◆ Procedures for equipment and container washing.

Storm Water Pollution Prevention Plan (SWPPP) or Storm Water Management Plan (SWMP)

- ◆ Develop and implement a SWPPP or SWMP.
- ◆ All regulated facilities must submit a Notice of Intent (NOI) to ADEQ.

Inspections

- ◆ Conduct an inspection of the facility at least quarterly.
- ◆ Complete the storm water BMP checklist.
- ◆ Immediately inspect all vehicles upon arrival for leaks.
- ◆ Look for signs of leakage quarterly.
- ◆ Inspect all equipment containing oily parts, hydraulic fluids, or any other type of fluids.
- ◆ All liquid storage areas, including antifreeze, oil, brake, transmission fluid, etc.
- ◆ Review BMPs after each inspection and modify them and the SWPPP or SWMP as needed.

If spills occur:

- ◆ **Stop the source of the spill immediately.**
- ◆ **Contain the liquid until cleanup is complete.**
- ◆ **Deploy oil containment booms if the spill may reach the street or waterways.**
- ◆ **Cover the spill with absorbent material.**
- ◆ **Keep the area well ventilated.**
- ◆ **Dispose of clean-up materials properly.**
- ◆ **Do not use an emulsifier or dispersant.**

The BMPs found on this page are paraphrased from Federal Storm Water documents 40CFR122, 1995 or later.

Storm Water



Management
A member of **STORM**
Stormwater Outreach for
Regional Municipalities

Only Rain in the Storm Drain!

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City of Phoenix

STREET TRANSPORTATION DEPARTMENT
STORM WATER MANAGEMENT SECTION

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